## INTERNATIONAL SEARCH REPORT

Internation No PCT/\_\_ 03/03197

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H0481/40

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 H04B H01P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC

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<b>A</b>	abstract page 2, line 44-51 page 3, line 6-56		4,9
	page 6, line 16-58 page 7-8 page 10		
	page 11, line 1-37 page 12, line 24-58 page 13, line 1-17		
	page 15, line 6-58 page 16		
_	page 17, column 1-10 figures 1-4,7,16-19,24-26,36-	38 -/	
X Furt	ther documents are listed in the continuation of box C.	Patent family members are listed	in annex.
"A" docum	ategories of cited documents : ent defining the general state of the art which is not dered to be of particular relevance	"T" later document published after the inte or priority date and not in conflict with cited to understand the principle or th invention	the application but
filing of the filter of the fi	ent which may throw doubts on priority claim(s) or i is cited to establish the publication date of another	<ul> <li>'X" document of particular relevance; the cannot be considered novel or canno involve an inventive step when the do</li> <li>'Y' document of particular relevance; the</li> </ul>	cument is taken alone
*O* docum other	on or other special reason (as specified) sent referring to an oral disclosure, use, exhibition or means tent published prior to the international filing date but	cannot be considered to involve an in document is combined with one or m ments, such combination being obvio in the art.	ventive step when the ore other such docu-
later than the priority date claimed  Date of the actual completion of the international search		'&' document member of the same patent family  Date of mailing of the international search report	
3	31 October 2003	10/11/2003	
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Interna Application No
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